

SUSHILIN, V. A.

42303: SUSHILIN, V. A. - Iz praktiki interpretatsii okhogram. Azerbaydzh. noft. Khoz-vo.
1948, No. 10, s. 8-9.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948.

SUSHILIN, V.A.

The speed of sound in the gas found in well inter casing space.
Neft.khoz. 34 no.6:39-41 Je '56. (MIRA 9:9)
(Sound--Velocity) (Petroleum engineering)

SUSHILIN, V.A.; ROMANOVA, N.I.; RYABOVA, Ye.G.

Adsorption test for water injection wells. Neft. khoz. 34 no.12;
36-37 D '56. (MIRA 10:8)

(Oil field flooding)

SUSHILIN, V.A.

Determining the influx and absorption of fluids by individual
strata. Azerb.neft.khoz. 35 no.4:12-15 Ap '56. (MLRA 9:10)

(Oil field brines)

SUSHILIN, V.A.; KISLYAKOV, Yu.P.

Studying affluences in free flowing wells. Azerb.neft.khoz.36
no.2:24 F '57. (MLRA 10:4)
(Oil wells)

SUSHILIN, Vasilii Alekseyevich.; ISAKOVICH, R.Ya., red.; SAVINA, Z.A., ved. red.;
POLOSINA, A.S., tekhn. red.

[Measurements in deep oil wells] Neftepromyslovye glubinye izmereniia.
Moskva, Gos. nauchno-tekhn. izd-vo neft. i gorno-toplivnoi lit-ry,
1958. 168 p. (MIRA 11:10)

(Oil wells--Equipment and supplies)

14())

SOV/93-58-12-11/16

AUTHOR: Sushilin, V.A.

TITLE: Ways of Improving the Design of Depth Output Meters
(Puti usovershenstvovaniya glubinnykh debitorerov)

PERIODICAL: Neftyanoye khozyaystvo, 1958, Nr 12, pp 53-57 (USSR)

ABSTRACT: The output meter (Fig 1) designed by the VNII Institute in 1957 has ten defects. The defects were discovered by V.D. Lyapkov of the VNII Institute, Tskhovrebov of the Al'metyevneft' NPU, and the KIP laboratory. The chief defect is jamming of the stem during the measuring operations in the well. They suggested, therefore, that the meter be redesigned so that the stem will operate on the principle of tension instead of compression. This principle was successfully applied to the design of a flow meter for the Chapayevskneft' NPU. In the redesigned meter the mechanism for opening the canopy of the packer will be actuated either by an MGM-1-u clock spring (Fig 2) or by a thermobimetallic helical spring (Fig 3). The helical spring was first successfully employed in the drive of a cartogram shaft (Fig 4) when G.M. Mininon's depth manometer was tested in 1945. An output meter of an entirely new design (Fig 5) has been suggested. The new meter has the following advantages: 1) absence of load and packing in the float system so that possible stem bending and jamming while

Card 1/2

Ways of Improving the Design (Cont.)

SOV/33-58-12-11/16

lowering and lifting the instrument is eliminated. 2) absence of a guide tube and a slide with a pivot for the recording instrument so that one friction zone is eliminated, 3) the corundum recording needle is directly joined to the upper end of the stem by means of a flat spring, and this considerably simplifies the design of the recording device, decreases the friction area, and increases the sensitivity of the float system, 4) the stem which unites the float system with the recording device moves in two directions only, and this also facilitates the stem operation and consequently increases the sensitivity of the instrument, and 5) the stem operates on the tension principle and it is, therefore, possible to reduce the stem from 6-4 mm. This will decrease the stem surface to half of its original size and consequently decrease the effect of the fluid viscosity on the accuracy of the readings. There are 5 figures.

Card 2/2

Sushilin, VA

SUSHILIN, V.A.

Using well-bottom flowmeter for determining the production capacity
of an oil well. Neft. khoz. 36 no. 1:56-58 Ja '58. (MIRA 11:2)
(Flowmeters) (Oil fields--Valuation)

SUSHILIN, V.A.

Improving deep level indicators. Neft.khoz. 36 no.12:53-57
D '58. (MIRA 12:2)

(Level indicators)

SUSHILIN, V.A.

Telemetering of flow in wells. Trudy VNII no.35:170-191 '61.

(MIRA 15:1)

(Oil fields--Production methods)

SUSHILIN, V.A.

AFANASYEVA, A.V., BAISHEV, B.T., BORISOV, YU.P., VASILYEVA, V.N.,
VOYNOV, V.V., ZINOVIEVA, L.A., KAMENETSKIY, S.G., MAKISOV, M.I.,
MAKISOV, M.M., MAIDEBOR, V.N., NOVINOV, I.P., SOKOLOVSKIY, E.V.,
SUSHILIN, V.A., YAKOVLEV, V.P.

Problem of developing oil in the USSR

Report to be submitted for the Sixth World Petroleum Congress
Frankfurt, 16-26 June 63

SUSHILIN, V.A.

Investigating the operational advantages of deep-well flow gauges
and interpreting and processing the cartograms of these instruments.
Trudy VNII no.41:154-177 '64. (MIRA 17:11)

BERDICHEVSKIY, Ya.; SUSHILINA, L., redaktor; SHAPOVA, M., tekhnicheskii
redaktor

[All-Union Industrial Exhibition] Vsesoyuznaya promyshlennaya vystavka.
Moskva, Gos. izd-vo izobrazitel'nogo iskusstva, 1956. 1 v. (MLRA 10:3)
(Moscow--Industrial exhibitions)

SUSHILINA, L., red.

Moskva, Moscow. Red. L. Sushilina.	Moskva, Gos. izd-vo
izobr. iskus., 1956. 163 p. of illus.	(MIRA 15:4)
(Moscow--Views)	

SUSHILINA, P.I.; SOLENOVA, A.M.

Improving the operation of drawing the thread through the heddle.
Obm.tekh.opyt. [MLP] no.15:33-34 '56. (MIRA 11:11)
(Weaving)

32441-65 EWT(m)/EWA(d)/EWF(v)/EPR/T/EWP(t)/EWP(k)/EWP(b) PF-4/Ps-4 IJP(c)
E/WM

ACCESSION NR: AP4047229

S/0125/64/000/010/0053/0060

AUTHOR: Sakhatskiy, G. P. (Candidate of technical sciences); Sushil'nikov, V. N.
(Engineer)

TITLE: Contact butt welding of duralumin sections under conditions of volumetric compression

SOURCE: Avtomaticheskaya svarka, no. 10, 1964, 53-60

SOURCE: AVIATION

TOPIC TAGS: contact welding, butt welding, weld strength, duralumin, aluminum alloy
welding, electric welding

ABSTRACT: Regimes for contact butt welding (with resistance and flashing off) under conditions of high-frequency oscillations of the electrodes are investigated. The mechanical properties (static and dynamic), and the structure of the welds are studied. Defects characteristic of the welds are investigated. The results of the investigation are presented in the form of graphs and tables.

first to be 1.7-1.9 times higher and the fatigue limit 1.5 times greater than the second.
All welded constructions are considerably smaller than the riveted ones. Orig. art. has:
Card 1/2

L 32441-65

ACCESSION NR: AP4047229

5 figures, 1 formula and 4 tables.

ASSOCIATION: Institut electrosvarki im. Ye. O. Patona AN UkrSSR (Electrowelding
institute, AN UkrSSR)

SUBMITTED: 03Apr64

ENCL: 00

SUB CODE: IE

NO REF SOV: 003

OTHER: 000

Card 2/2

CHUGUNOV, V., general-mayor aviatsii; SUSHIN, I., polkovnik

Constant attention to young communists. Av. i kosm. 47 no.4:47-48
Ap '65. (MIRA 18:4)

SUSHIN, I. I.

86-8-5/22

AUTHOR: Sushin, I. I., Lt. Col.

TITLE: The Moral Characteristics of Soviet Fliers (Moral'nyy oblik sovetskogo letchika)

PERIODICAL: Vestnik Vozdushnogo Flota, 1957, Nr 8, pp.21-29 (USSR)

ABSTRACT: The article, which introduces the section "Education and Training" in the August 1957 issue of the periodical, deals with the requirements the Soviet military doctrine places upon Soviet fliers with respect to their moral characteristics. The author seeks to show the full meaning to be given to a series of worn-out terms formulating these requirements, and discusses some less popularly known features of character a Soviet flier is required to possess. As far as exact sciences are concerned, the article contains no data of any interest. An outline of the article follows: In the introductory part, the author emphasizes the increased importance the factor "morale" has acquired under the conditions of modern warfare, and stresses the role the officers are now called on to play in developing in their subordinates the moral qualities they are required to possess. In the first part of the body of the article

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86-8-5/22

The Moral Characteristics of Soviet Fliers (Cont.)

the following terms are discussed and illustrated by examples taken from real life of the Soviet air force units:

- "Utter devotion to the Socialist mother country". In order to give this expression a more concrete meaning, the author identifies it with the notion of "Soviet patriotism". He then contrasts the "flaming patriotism" of the Soviet officers with the "indifference" of the American commanding personnel in regard to the interests of their country. An American flier is said to have acknowledged that he joined the troops because of the pay officers receive there.
- "Hatred of the enemy". The author indicates the target against which the hatred must be directed: "American imperialists and their accomplices". He also gives the reason: "they openly spend hundreds of millions of dollars on 'clandestine warfare' against the socialist countries". Col. Sushin takes care to specify that the hatred he is speaking about has nothing to do with the "zoological" (i.e. "racial") hatred "cultivated in the bourgeois armies." Soviet people are said to be "internationally minded", and their hatred is supposed to be directed against the exploiters, not against the masses. - "Self-discipline".

Card 2/5

86-8-5/22

The Moral Characteristics of Soviet Fliers (Cont.)

The author extends the area covered by this notion to include military courage. "To be brave is to be able to subordinate the feeling of fear to the sense of duty." In the second part of the body of his article Col. Sushin discusses some less commonly mentioned features of character a Soviet flier is required to possess. According to the author, a Soviet flier: 1 - must be imbued with the feeling of "military comradeship". This feeling is supposed to result naturally from the fact that all Soviet soldiers live in an atmosphere of "socialist collectivism". 2 - must, as a Communist, "stick to the principles", - and also remind his comrades of the necessity to stick to the same principles. Apparently in order to dodge the implications of this last requirement, the author in that connection also speaks of the "socialist humanism", one of the aspects of which is the "respect of the superior for his subordinates and humaneness in his treatment of them". "The commander, besides being a chief, must also be a comrade to his subordinates". It is asserted that this is possible only in a socialist country. 3 - must be "truthful and honest". The discussion of this requirement occupies

Card 3/5

86-8-5/22

The Moral Characteristics of Soviet Fliers (Cont.)

half a page of the text. 4 - must strive to have "a normal family life", and to "have his children well brought up". According to Col. Shushin, the idea that the private life of Soviet officers is a matter of their own concern is mistaken: an officer cannot work efficiently if his family life is not normal. The third and last part of the article is devoted to a more loose discussion of the role the commanding personnel and the communist organizations must be given in the education of the troops. In Col. Sushin's view, the more a commander relies in his educational work on the Communist Party and Komsomol organizations of his unit, the more successful he will be. The duties of the Communist Party organizations are detailed as follows:

- In the first place, to instill the members of the party with the true spirit of the Marx-Lenin doctrine, and specifically: teach them to fight all shortcomings uncompromisingly; make them understand that their training performance must be exemplary, and that they must strictly observe all the rules of discipline; remind them constantly that that they must contribute in every possible way towards the strengthening of the authority of the commanders.
- Then, to control the activities of the Komsomol organizations

Card 4/5

86-8-5/22

The Moral Characteristics of Soviet Fliers (Cont.)

and care for the political indoctrination and military education of the members of these organizations. - And finally, to watch the moods of the personnel and to be informed of their needs. This summing-up of the duties of the Communist Party organizations is followed by these comments: - A good knowledge of the Marx-Lenin theories permits the officers to understand fully the Soviet military doctrine and enables them, by becoming familiar with a truly scientific method of thinking, to properly organize their practical work. - An officer strong in his Communist belief will naturally appraise the events around him from the Communist Party's point of view. - The higher the level of ideological concepts of an officer, the stronger he is morally, and the greater are his qualities as a combatant. The commanders, political instructors, members of the Communist party and Komsomol organizations are called upon to untiringly make all officers and men see how wise the policies of the Communist Party are. The concluding sentence calls for further strengthening of the combat preparedness of Soviet soldiers.

AVAILABLE: Library of Congress
Card 5/5

SUSHIN, I., polkovnik

Source of invincibility. Av.i kosm. 46 no.7:2-8 J1 '63.
(Aeronautics) (Astronautics) (MIRA 16:8)

DIDENKO, K.I.; PIVOVAROV, Yu.I.; SUSHIN, V.A.

Noncontact electronic potentiometer. Avtom. i prib. no.1:53-56
Ja-Mr '63. (MIRA 16:3)

1. Khar'kovskiy zavod kontrol'no-izmeritel'nykh priborov.
(Potentiometer)

ACC NR: AP7004256

(A)

SOURCE CODE: UR/0432/66/000/002/0031/0034

AUTHOR: Didenko, K. I. (Candidate of technical sciences); Gafanovich, M. D.;
Sushin, V. A.

ORG: none

TITLE: Automatic rheochordless bridge

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 2, 1966, 31-34

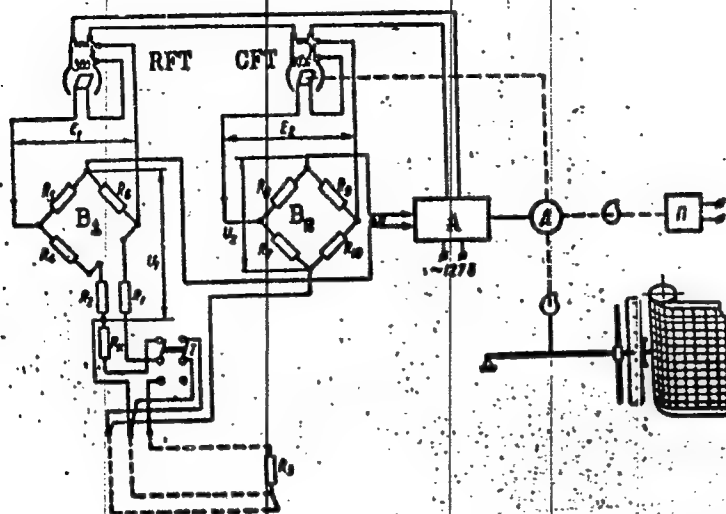
TOPIC TAGS: ferrodynamic bridge, temperature measurement / *temperature instrument, temperature recorder* / MFSM temperature recorder

ABSTRACT: OSKB of the Khar'kov Control-and-Measuring Instrument Plant has developed a small-size ferrodynamic temperature recorder that does not contain slide-wire rheostats or any movable-contact device. The new recorder is based on the automatic compensation of a voltage proportional to thermometer resistance by an electric signal produced by a contactless ferrodynamic transducer (see figure). Electronic amplifier A receives a difference of voltages taken from the diagonals of unbalanced bridges B_1 and B_2 . Bridge B_1 is supplied by reference ferrodynamic transducer RFT while bridge B_2 , by compensating CFT. The recorder uses both copper and platinum resistance thermometers; its claimed error does not exceed $\pm 0.5\%$ full scale; full-deflection time, 2.5, 8, or 18 sec; chart rate, 20, 40, 60, or 120 mm/hr. Orig. art. has: 2 figures and 8 formulas.

Card 1/2

UDC: 621.317.733

ACC NR: AP7004256



SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 005

Card 2/2

Sushin, V.G.

AUTHOR: Morosnikov, I.A., and Sushin, V.G. 290
 TITLE: Reasons for crack-formation in pipes of type LZhMts59-1-1 Alloy and their elimination. (Prichiny obrazovaniya teshchin na trubakh iz splava marki LZMts59-1-1 i ustranenie ikh.)
 PERIODICAL: "Tsvetnye Metally" (Non-ferrous Metals), 1957, No. 1, pp. 82 - 85, (U.S.S.R.)
 ABSTRACT: Elliptical tubes made from a certain type of brass were found to have cracks on their external surfaces, orientated approximately perpendicularly to and at an angle of 45° to the tubes axis. Cracked tubes have been subjected to mechanical and microstructural investigation, parallel investigations being made of the effect of heat treatments on alloy properties. It is concluded that the following measures are essential for avoiding crack formation: a) hot-pressed tubes, cooled in water, to be annealed at 550 °C with a soaking of one hour; b) tubes after annealing to be cooled from a temperature not over 350 °C.

There are 7 figures and 1 Russian reference.

NEPOMNYASHCHY, L.B.; SUSHIN, V.I.; TRASKUNOVA, T.V.

X-ray camera for producing radiograms of two samples at
small angles. Zav.lab. no.4:498-499 '60. (MIRA 13:6)
(X rays--Equipment and supplies)
(Radiography)

BYKOV, V.T.; SUSHIN, V.N.

Use of infrared spectroscopy for investigating natural sorbents.
Kin.i kat. 3 no.5:788-793 S-0 '62. (MIRA 16:1)

1. Dal'nevostochnyy filial Sibirskogo otdeleniya AN SSSR.
(Sorbents--Spectra)

SAPRONOV, V.I.; TKACHENKO, Y.A.; SUSHIN, V.N.

Investigation of natural sorbents by a series of physical
methods. Trudy DVFAN SSSR.Ser.khim. no.7.31-41 '65.
(MIRA 18:12)

SUSHIN, V.Ye.

Provide the textile industry with high-quality auxiliary
equipment. Tekst.prom. 20 no.1:15-17 Ja '60.
(MIRA 13:5)

1. Nachal'nik Rosglavtekstil'statsbytsyr'ye pri Gosplane RSFSR.
(Textile industry--Equipment and supplies)

... SUSHIN, V. Ye. ...

Auxiliary equipment made from chemical materials. Tekst.prom.
20 no.8:10-13 Ag '60. (MIRA 13:9)

1. Nachal'nik Rosglavtskstil'snabsbytsyr'ye pri Gosplane RSFSR.
(Plastics) (Textile machinery)

SUSHIN, Vasilii Yefimovich; KVASHENKO, Yuriy Kirillovich; DUDIN,
Semen Ivanovich; ANDRONOVA, Lyubov' Nikanorovna; PETLAKH,
Abram Smerkovich; GRIGOR'YEV, Vasilii Nikolayevich;
KOLYCHEVA, Nataliya Ivanovna; CHUGREYEVA, V.N., red.; TINDE, N.F., red.;
BATYREVA, G.G., tekhn. red.; VINOGRADOVA, G.A., tekhn. red.

[Manual on auxiliary equipment and supplies for the textile
industry] Spravochnik po vspomogatel'nym izdeliam dlia tek-
stil'noi promyshlennosti. Pod red. V.E.Sushina i N.F.Tinde.
Moskva, Rostekhzdat, 1963. 432 p. (MIRA 16:5)
(Textile industry--Equipment and supplies)

SUSHINA, M. V.

Dissertation: "Hemopoiesis in Suppurating Lung Diseases." Cand Med Sci, Second
Moscow State Medical Inst imeni I. V. Stalin, Moscow, 25 Jun 54. (Meditinskiy
Rabotnik, Moscow, 15 Jun 54)

SO: SUM 318, 23 Dec. 1954

SUSHINA, M. V.
SUSHINA, M.V., kand.med.nauk (Chelyabinsk)

Hemopoiesis in suppurative diseases of the lungs. Klin.med. 35
[i.e.34] no.1. Supplement:48-49 Ja '57. (MIRA 11:2)

1. Iz gosital'noy terapevticheskoy kliniki (dir. - chlen-korrespon-
dent AMN SSSR prof. A.A.Bagdasarov) II Moskovskogo meditsinskogo
instituta imeni I.V.Stalina.
(LUNGS--ABSCESS) (BLOOD)

SUSHINA, O. T., Cand Med Sci -- (diss) "Development of the ischio-rectal fossa in man and its venous system." Kuybyshev, 1960. 18 pp; (Kuybyshev State Medical Inst, Chair of Normal Anatomy); 300 copies; price not given; (KL, 30-60, 140)				
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SUSHINA, O.T., aspirant

Veins of the walls of the human ischiorectal fossa. Elem.prokt.
no.2:19-26 '60. (MIRA 14:11)

1. Iz kafedry normal'noy anatomii, zaveduyushchiy kafedroy prof.
F.P. Markizov.

(PERINEUM--BLOOD SUPPLY)

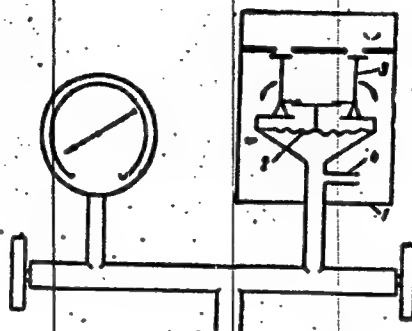
SUSHINA, O.T., aspirant

Development of the human ischiorectal fossa and its venous system.
Trudy Kuib.med.inst. 11:197-203 '60. (MIRA 15:8)

1. Iz kafedry normal'noy anatomii (zav. kafedroy prof. F.P.
Markizov) Kuybyshevskogo meditsinskogo instituta.
(PERINEUM—BLOOD SUPPLY)

ACC NR: AP7009097	SOURCE CODE: UR/0413/67/000/003/0070/0070
INVENTOR: Glukharev, A. I.; Foygel', L. A.; Sushinkin, Ye. I.; Gerashchenko, V. A.	
ORG: None	
TITLE: An oxygen flow indicator. Class 30, No. 191046	
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, 1967, 70	
TOPIC TAGS: flow meter, oxygen, medical equipment	
<p>ABSTRACT: This Author's Certificate introduces an oxygen flow indicator containing a housing with a diaphragm which interacts with indicator flags. The instrument may be used at relatively high oxygen pressures. The cavities above and below the diaphragm are connected through a hydraulic resistor which may be made in the form of a tube with a small inside diameter.</p>	
Card 1/2	UDC: 612.22.02-087

ACC NR: AP7009097



1—housing; 2—diaphragm; 3—flags; 4—hydraulic resistor

SUB CODE: 14,06 SUBM DATE: 15Mar65

Card 2/2

SUSHINOV, A.

He is interested in everything. Okhr.truda i sots.strakh. 4
no,7:20-21 JI '61. (MIRA 14:7)

1. Spetsial'nyy korrespondent zhurnala "Okhrana truda i sotsial'noye
strakhovaniye".

(Sokol—Paper industry—Hygienic aspects)

СУШИНСКАЯ, Л. Я.

Stability of lead in water. L. Ya. Sushinskaya (Med.
Inst., Irkutsk). *Gigiena i Sanit.* 1933, No. 8, 49. — The
best adsorbent for dissolved Pb in water ($Pb(NO_3)_2$ in aq.
soln.) was found to be clay. The Pb solns. are completely
stable in neutral or acid solns., but in alk. soln. (pH 8.4) the
Pb content gradually ppts. on standing in contact with air.
For removal from industrial liquors an alk. soln. in com-
bination with clay adsorbent is recommended.

G. M. Kosolapoff

chief General
Hygiene

SOV/84-60-2-34/59

1(

AUTHOR: Sushinskiy, A. and Miroshnichenko, Yu., Engineers

TITLE: The TPM-An-2 Trainer 4

PERIODICAL: Grazhdanskaya aviatsiya, 1960, Nr 2, p 18 (USSR)

ABSTRACT: The authors give a general functional description of a new TP-An-2 Trainer developed by their (unidentified) organization and put into serial production. It is intended for initial training of pilots in the technique of flight, blind flying, landing approach and flying by means of radio-technical equipment. The TP-An-2 trainer consists of a mock-up cabin of the An-2, a coordinator and an instructor's control desk with an electric switch panel. It is powered from a single-phase 127 or 220v, 50 Hertz AC network, consumes not more than 2.5 kw. In this trainer it is possible to do an imaginary flight, as true to life as possible, in such elements as the take

Card 1/3

SOV/84-60-2-34/59

The TPM-An-2 Trainer

off and landing with full and raised flaps, climbing at a rate of up to 4m/sec up to 1200 m, straight-line flight within 75-250 km p.h., landing at a prescribed magnetic track angle, two way communication with the dispatcher, the use of radio-compass, and determining thereby the drift angle and wind vector, setting up the course at a homing radio-station, the OSP and ²SP-50 landing approach, and landing approach by means of the direction-finding receiver. It can also simulate a failure of flaps and instruments, such as the air speed indicator, aviahorizon, variometer, open antenna, radio-compass course indicator, etc. The initial variant has been modified with help from the Kiyevskiy institut GVF (Kiyev Institute of GVF) to become the TPM-An-2 trainer shown here in a photograph. This trainer is additionally capable of imi-

Card 2/3

SOV/84-60-2-34/59

The TPM-An-2 Trainer

tating the engine operations and sound, the fuel consumption and the influence of the wind upon the landing approach at varied magnetic track angles. A commission of GUGVF has given the TPM-An-2 trainer a high appraisal. There is 1 photo. ✓

Card 3/3

SUSHINSKIY, Mikhail Mikhaylovich -- awarded sci degree of Doc Physico-Math Sci for the 24 Jun 57 defense of dissertation: "Spectra of combinational [kombinatsionnogo] dispersion and the structure of hydrocarbons" at the Council, Physics Inst imeni Lebedev, AS, USSR; Prot No 9, 19 Apr 58.

(BMVO, 10-58,14)

USSR/Photochemistry. Radiation Chemistry. Theory of Photographic Process. B-10

Abs Jour : Ref Zhur - Khimiya, No 8, 1957, 26261

Author : A. N. Terenin, A. V., Karyakin, Ye. B. Lyubomudrov, O. D. Dmitriyevskiy, P. E. Sushinskiy

Title : Alterations of Spectra of Phthalocyanins in Solutions under Action of Powerful light Impulses.

Orig Pub : Optika i spektroskopiya, 1956, 1, No 4, 456-462

Abstract : Solutions of phthalocyanins (ph) of Mg, Zn, Fe, Cu and Co in alcohol, acetone, ether, pyridine and toluene (10^{-4} to $10^{-5}M$) were liberated of O_2 by vacuum treatment and illuminated with an impulse bulb ISS-250 (Flash energy 250 joules, flash duration 10^{-3} to 10^{-4} sec.) The spectra in the range of 0.5 to 0.9 were photographed with a spectrograph ISP-51. Either the impulse bulb itself, or another impulse bulb lighted by a time relay switch 2×10^{-5} to 2.1 sec. after the flash of the first bulb served as the light source. PhMg and PhZn are subject to a short-duration (from 0.8 to 1×10^{-3} sec. in case of PhMg) discoloration under the action of a flash. The discoloration of PhMg and PhZn is completely eliminated by letting

Card : 1/2

USSR/Photochemistry. Radiation Chemistry. Theory of Photographic Process. B-10

Abs Jour : Ref Zhur - Khimiya, No. 8, 1957, 26261

O₂ into the solution; no discoloration of solutions of PhFe, PhCu and PhCo is observed; solutions of PhMg and PhZn are fluorescent. The surprise is expressed that the short-duration discoloration is the result of the molecule transition into the metastable (triplet) state.

Card : 2/2

SUSHINSKIY, V.A., inzh.

Automatic control of a single-bucket excavator with a multimotor electric drive with alternating current. Gor. zhur. no.7:59-61 J1
'62. (MIRA 15:7)

1. Kovrovskiy ekskavatornyy zavod.
(Excavating machinery—Electric driving)
(Automatic control)

14(10)

AUTHORS:

Brovkin, Ye. A., Sushintsev, Ye. V.

SOV/67-59-4-12/19

TITLE:

Stainless Steel Bushes for the Compressor 2RK-1.5/220

PERIODICAL:

Kislod, 1959, Nr 4, p 45 (USSR)

ABSTRACT:

One of the main drawbacks in this compressor is the rapid wear of the bushes. In the authors' experience, stainless steel bushes of the type 1Kh18N9 are subject to much less wear than are the bronze bushes which the factory uses for the compressor.

Card 1/1

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
COMMON ELEMENTS													COMMON VARIABLES INDEX																																						
<div style="display: flex; justify-content: space-between;"> CA S </div> <p>✓ Crimean adsorbents. L. A. SUBITZKIL. <i>Mineral Suite 6, 827-35(1931); cf. Ibid 18(1931)</i> -- A method is described for activation of kesskilite, large deposits of which are found in Crimea. The product, after treatment, is called crimsil and resembles tonsil in chem. compn. and bleaching and adsorbing properties.</p> <p style="text-align: right;">CHAS. BLANC</p>																																																			
<p>ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

SUSHITEKIY, L. A.

SUSHITSKIY, L. A. "Chemical Measures for the Control of Canker on Fruit Crops," Sad i Ogorod, no. 9, 1948, pp. 51-52. 80 Sal3

SO: SIR: SI-90-53 15 Dec. 1953

SUSHITSKIY, L. A.

IUCANOVA, O. N., and SUSHITSKIY, L. A. "Use of Copper Naphthenate for the Control of Stone Fruit Diseases," Sad i Ogorod, no 12, 1950, pp. 30-33. 80 Sal3.

So: SIRA SI-90-53, 15 Dec. 1951

YUGANOV, A. N., SUSHITSKIY, L. A.

"The Utilization of Copper Naphthenate in Combating
Diseases of Stone Fruits." Sad i Ogorod, 1950, No. 10.

Mikrobiologiya, Vol XX, No. 5, 1951

■-W-24635

Review of Applied Mycology

SUBHICKIY (L. A.). The preparation of copper naphthenate. — *Sad i Ogorod (Orchard and Garden)*, 1950, 2, pp. 25-26, 1950. [Russian. Abs. in *Hort. Abstr.*, 20, 3, p. 217, 1950.]

Details are given of the preparation of copper naphthenate which is said to be widely used (in U.S.S.R. see below, p. 166) as a substitute for Bordeaux mixture in the control of diseases such as apricot brown rot (*Sclerotinia fructigena* and *S. laza*; cf. *R.A.M.*, 29, p. 102] and *Clasterosporium* leaf spot [*C. carpophilum*] of stone fruit trees.

SUSHITSKIY, L. A.

151637 Substitute for Bordeaux Spray. *Zammit's Garden-
shed* (ed. 1). A. Suditskii. *Ind. Orchard*, 1971, no. 7,
July, p. 76.
Fungicidal dust for use on tomatoes, etc., does not have draw-
backs of Bordeaux mixture. Contains 10% Cu naphthenate and
90% bentonite.

SUSHITSKIY, L.A.

Industrial use of Crimean bentonites. Bent. gliny Ukr. no.2:151-155
'58. (MIRA 12:12)

1. Institut mineral'nykh resursov AN USSR.
(Crimea--Bentonite)

MALAKHOVSKIY, V.F.; SHARGORODSKIY, S.D.; SUSHITSKIY, L.A.; GLIKMAN, N.,
red.; FISENKO, A., tekhn. red.

[Mineral resources of the Crimea and their utilization in
chemical industries] Mineral'nye bogatstva Kryma - khimiche-
skoi promyshlennosti. Simferopol', Krymizdat, 1959. 37 p.
(MIRA 15:11)

(Crimea--Mines and mineral resources)
(Chemical industries)

SUSHITSKIY, L.A. [Sushyts'kiy, L.A.]; PTITSYNA, N.V. [Ptytsyna, N.V.]

Cupronapht, a new substitute for Bordeaux liquid. Dop.
AN URSR no.10:1368-1370 '61. (MIRA 14:11)

1. Institut mineral'nykh resursov AN USSR. Predstavleno akademikom
AN USSR A.V.Dumanskim [Dumans'kiy, A.V.].
(Bordeaux mixture)

PTITSINA, N.V. [Ptytsina, N.V.]; SUSHITSKIY, L.A. [Sushyts'kyi, L.A.]

Use of dispersed clays as fungicide carriers. Khim. prom.
no.4:62-63 O-D '64. (MIRA 18:3)

SUSHITSKIY, L.F.

Improved autoclave bubbler. Kons. i ov. prom. 13 no.10:9 0 '58.
(MIRA 11:10)

1.Kamenets-Podol'skiy konservnyy zavod.
(Autoclaves) (Canning industry---Equipment and supplies)

SUSHITSKIY, L.F.

Machine for dicing vegetables. Kons. i ov. prom. 14 no.5:12-13
My '59. (MIRA 12:6)

1. Kamenets-Podol'skiy konservnyy zavod.
(Kamenets-Podol'skiy--Canning industry--Equipment and supplies)

SUSHITSKIY, P. I.

Meteorites

Meteorites in the Kharkov University collection on June 30, 1949. Meteoritika, No. 9, 1951.

9. Monthly List of Russian Accessions, Library of Congress, June 195~~8~~⁶, Uncl.
52

SUSHITSKIY, P. I.

Meteorites - Talaevka District

Sunny bolide of June 17, 1950. Meteoritika No. 10, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

SUSHITS'KIY, P. I.

USSR/Physics of the Earth - Origin and Structure of the Earth, 0-2

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 36341

Author: Sushits'kiy, P. I.

Institution: None

Title: Rocky Meteorite that Fell in Dzvonkovo on 2 September 1955

Original

Periodical: Geologichnyi zh., 1955, 15, No 4, 92-93; Ukrainian

Abstract: None

Card 1/1

SUSHITSKIY, P.I., kandidat geologo-mineralogicheskikh nauk.

Fall of the stone meteorite in Zvonkovoye village. Priroda 45
no.5:110 My '56. (MLBA 9:8)

1. Institut geologicheskikh nauk Akademii nauk USSR.
(Kiev Province--Meteorites)

~~BURKSER, Ye.S.; SUSHITS'KIY, E.I.~~

Seventh Conference on Meteorites in Moscow. Geol. zhur. 17 no.1:91-92
'57. (MIRA 10:4)

(Meteorites)

SUSHITSKIY, P.I.

Results of the study of the fireball observed in the Ukraine on
June 30, 1954. Meteoritika no.16:137-139 '58. (MIRA 11:8)
(Ukraine--Meteorites)

SUSHKEVICH, ANTON KAZIMIROVICH DECEASED

1964

Math.

1962

SUSHKEVICH, B.I.; RYABOKONSKIY, A.V.

Experience of the Beregovo Leather Factory in the manufacture of
chamois dressed sheep leather for shoes. Kozh. obuv. prom. 6 no.6:
36-37 Je '64. (MIRA 17:9)

1. Glavnyy inzh. Beregovskogo kozhevennogo zavoda (for Sushkevich).
2. Machal'nik zol'no-dubil'nogo tekha Beregovskogo kozhevennogo
zavoda (for Ryabokonkiy).

SUSHKEVICH, B.I. [Sushkevych, B.I.]

Methods to improve the quality of lid and cabretta leather used in the
Beregovo Leather Factory. Leh. prom. no. 3:29-30 J1-S '64.
(MIRA 17:10)

SUSHKEVICH, M. V.

N/5
743.281
.S9
1954

Spravochnik po kontrolyu kachestva remonta traktorov (Handbook on the Control of the Quality of Tractor Repair, By) M. V. Sushkevich i M. A. Pavlov. 1zd. 2 isprav. 1 dopol. Stavropol. Knizhnoye izd-vo, 1954.
399 p. illus., diags., tables.
"Ispol'zovannaya literatura": p. 395

SUSHKEVICH, Mikhail Valer'yevich; PAVLOV, M.A., dotsent, red.; GORA, G.T.,
red.; STEBLYANKO, T.V., tekhn. red.

[Maintenance of tractors] Tekhnicheskii ukhod za traktorami. Pod
red. M.A.Pavlova. Stavropol', Stavropol'skoe knizhnoe izd-vo,
1960. 317 p. (MIRA 14:7)
(Tractors—Maintenance and repair)

SUSHKEVICH, M.V.

Local electroplating. Mashinostroitel' no.7:18-19 JI '60.
(Electroplating) (MIRA 13:7)

SUSHKEVICH, M.V.

"An Investigation of the Restoration of Rigid Couplings by
Galvanic Zinc Plating by Means of an Electro-deposition Process";

dissertation for the degree of Candidate of Technical Sciences
(awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2,
1963, pp 232-236)

SUSHKEVICH, N.I.; TOKAREVICH, K.N.

Tularemia in Kaliningrad Province; and essay on its epidemiology.
Trudy Len.inst.ipid.i mikrobiol. 20:106-123 '59. (MIRA 16:1)

1. Iz Kaliningradskoy oblastnoy protivotulyaremiynoy stantsii i
laboratorii osobo-opasnykh infektsiy Leningradskogo instituta
epidemiologii, mikrobiologii i gigiyeny imeni Pastera.
(KALININGRAD PROVINCE--TULAREMIA)

SUSHKEVICH, N.I.; BUTYRINA, K.A.

Leptospirosis in Kaliningrad Province. Trudy Len.inst.epid.i
mikrobiol. 23:251-255 '61. (MIRA 16:3)

1. Iz otdela osobo opasnykh infektsiy Kaliningradskoy oblastnoy
sanitarno-epidemiologicheskoy stantsii.
(KALININGRAD PROVINCE—LEPTOSPIROSIS)

ACCESSION NR: AP4012001

S/0208/64/001/0023/0034

AUTHORS: Maslennikov, M. V. (Moscow); Sushkevich, T. A. (Moscow)

TITLE: Asymptotic properties of the solution of the characteristic equation in the theory of radiation transfer in strongly absorbing media

SOURCE: Zhurnal vychisl. matem. i matem. fiz., v. 4, no. 1, 1964, 23-34

TOPIC TAGS: asymptotic property, characteristic equation, radiation transfer, absorbing medium, integral equation, nonnegative solution, eigenfunction, eigenvalue

ABSTRACT: The authors study the integral equation

$$M(\lambda)(1 + \lambda\mu)\varphi_{\lambda}(\mu) = \hat{g}\varphi_{\lambda}(\mu), \quad (1)$$

where μ is an independent variable, $\mu \in [-1, 1]$, $\varphi_{\lambda}(\mu)$ is an unknown function, λ is a parameter,

$$\lambda \in [0, 1), g(\mu) = \int_{-1}^1 g(\mu, \mu') f(\mu') d\mu', g(\mu, \mu')$$

is a kernel defined later. This is the characteristic equation arising in asymp-

Card 1/2

ACCESSION NR: AP4012001

otic theory of radiation passage through thick layers of matter. Its nonnegative solutions, corresponding to the values of λ for which $M(\lambda) = 1$, uniquely determine the structure of the principal term of the spatial-angular distribution of radiation in the depth of a thick layer. For $\lambda \in [0, 1]$ there exists only one nonnegative eigenfunction $\Phi_\lambda(\mu)$ of equation (1): it continuously depends on μ , $\mu \in [-1, 1]$, and corresponds to the simple positive eigenvalue $M(\lambda)$. The authors establish the asymptotic behavior of the eigenvalue $M(\lambda)$ and the eigenfunctions $\Phi_\lambda(\mu)$ for values of λ close to unity. This type of problem arises in the theory of radiation passage through highly absorbent matter. Orig. art. has: 62 formulas.

ASSOCIATION: none

SUBMITTED: 19Oct62

SUB CODE: MM

DATE ACQ: 11Feb64

NO REF SOV: 003

ENCL: 00

OTHER: 001

Card 2/2

USANOVICH, N.; USANOVICH, N.

"The Nature of Nitrating Mixtures" Part IV.

"The Nitration of Toluene in the Presence of Monochloroacetic Acid and Ethyl Nitrate," Zhur. Obshch. Khim, 10, No. 3, 1940. Laboratory of Physical Chemistry, Central Asiatic State University Received 21 July 1939.

Report U-1526, 24 Oct 52.

SUSHKEVICH, T. I.

Chemical Abst.
Vol. 48 No. 4
Feb. 25, 1954
Inorganic Chemistry

Complex compounds of anabasing with cobalt salts.
T. I. Sushkevich and V. V. [unclear] (Mid-Asiatic State
Univ., Tashkent). *Doklady Akad. Nauk USSR*, S.S.R.
1949, No. 3, 18-20 (in Russian).—Addn. of anabasing to aq.
 CoCl_2 , with cooling, followed by addn. of HCl to dissolve the
greenish ppt. of hydrated Co, gave blue $\text{CoCl}_2 \cdot \text{C}_{10}\text{H}_{11}\text{N}_3$.
 2HCl , m. 283°, when an excess of HCl was used, or the cor-
responding $\text{CoCl}_2 \cdot \text{C}_{10}\text{H}_{11}\text{N}_3 \cdot \text{HCl}$, m. 303°, with the corres-
pondingly smaller amount of HCl. Both are sol. in H_2O ,
insol. in usual org. solvents, except for hot HCO_2H ; both
are electrolytes in aq. soln., and the cond. indicates complete
dissocn. in soln. of the di-HCl salt with 6 ions being formed;
the mono-HCl salt is a weak electrolyte. Anabasing also
forms complexes with CuCl_2 and MnCl_2 , which are not de-
scribed.
G. M. Kosolapoff

7-27-54

SUSHKEVICH, T. I.

183T46

USSR/Chemistry - Electrolysis of Water

Jun 51

"Electrical Conductivity and Viscosity of System
KOH - K_2CO_3 - H_2O ," M. I. Usanovich, T. I. Sushkevich

"Zhur Prik Khim" Vol XXIV, No 6, pp 590-592

Detd elec cond of 18.86-41.59% KOH solns contg 1-31%
 K_2CO_3 at 25, 50, and 97°C. Sp cond of KOH decreases
with addn of K_2CO_3 . Detd viscosity of 2 concns of
KOH with different K_2CO_3 content at 25 and 50°C.
It increases with addn of K_2CO_3 . Sp cond is lowered
at expense of increased viscosity. KOH solns of
these concns are used in industrial electrolysis of
water.

183T46

USMANOV, Kh.U.; SUSHKEVICH, T.I.

~~SECRET~~
Study of the cotton fiber according to the molecular weight of its
cellulose. Trudy Inst.khim. AN Uzb.SSR no.5:23-29 '54. (MIRA 8:4)
(Cotton)

110 ✓ A study of the cotton fiber in the initial stage of development. Kh. U. Usmanov, T. I. Kashkovich, and R. S. Tillaev (Inst. Chem. Acad. Sci. Uzbek S.S.R., Tashkent). *Plast. Kautsch.* Akad. Nauk S.S.S.R. 4, 358-63 (1955). Local application of $C^{14}O_2$ to leaves by means of a movable glass chamber was used for a study of the nature of the process of fiber development in a cotton plant. Carbohydrate content of the cotton fiber revealed that in the early stage, both glucose and fructose are present. It is suggested that cellulose synthesis begins and ends in the same cotton filament directly from the monosaccharides present in it. A sharp decline in monosaccharides occurs at 15-30 days after flowering, depending on the variety of the plant. These periods are those of sugar "starvation" which must be overcome in order that the crop yield be raised. The most rapid accumulation of cellulose matter and decline of simple carbohydrates occurs in the early stage of fiber formation; relatively low mol. material is present at this stage indicating the probability of a polycondensation mechanism, rather than a polymerization mechanism for the formation of cellulose. G. M. Kosolapoff

(2)

USMANOV, Kh. U., SUSHKEVICH, T.I.,

"Problem of Mechanism Governing the Formation of Cellulose"

Doklady Akad Nauk Uzbek SSR, No. 2, 1956

To be submitted for the International Symposium on Macromolecular Chemistry,
Montreal, Canada, 27 Jul - 1 Aug 1971.

USSR

BERESTETSKII, T. M., Institute of High Molecular Chemistry, Academy of Sciences USSR, Leningrad, jointly with **KRIBLUM, M. R.**, and **KANED, M.**, Dnieper University, Dnepropetrovsk, U.S.S.R. - "Elasticity of cross-linked chain networks" (Group 2)
BOGOMOLOV, A. A., and **BOGOMOLOV, A. A.**, Moscow Institute of Chemical Technology, Moscow - "The structure of polyethylene with sulphur" (Group 1-5)
MARIN, Valentin A., Head, Laboratory of Colloidal Chemistry, Scientific Research Institute of Chemical Technology, Leningrad - "The formation of big crystal structures in polymers and their properties" (Group 2, invited lecture)
BOGOMOLOV, A. A., **BOGOMOLOV, A. A.**, and **BOGOMOLOV, A. A.**, Institute of Petroleum, Academy of Sciences USSR, Moscow - "Polymerization of some epoxy compounds" (Group 3-B)
BOGOMOLOV, A. A., **BOGOMOLOV, A. A.**, and **BOGOMOLOV, A. A.**, Scientific Research Institute of Chemical Technology, Leningrad - "Polymerization catalyzed by lithium and lithium alloy" (in German) (Group 3-B)
BOGOMOLOV, A. A., **BOGOMOLOV, A. A.**, and **BOGOMOLOV, A. A.**, Institute of Petroleum, Academy of Sciences USSR, Moscow - "On the catalytic polymerization and radiochemistry of allylsilanes" (Group 3-A)
BOGOMOLOV, A. A., **BOGOMOLOV, A. A.**, and **BOGOMOLOV, A. A.**, Institute of Synthetic Rubber, Leningrad - "Temperature effect on polymer structure in dense polymerization by alkali metals" (Group 3-B)
BOGOMOLOV, A. A., **BOGOMOLOV, A. A.**, and **BOGOMOLOV, A. A.**, All-Union Scientific Research Institute of Synthetic Rubber, Leningrad - "Study of branching in regular isoprene polymers" (Group 1)

BOGOMOLOV, A. A., **BOGOMOLOV, A. A.**, and **BOGOMOLOV, A. A.**, All-Union Scientific Research Institute of Synthetic Rubber, Leningrad - "Nature of molecular-weight distribution and properties of styrene-butadiene rubbers depending on polymerization conditions" (Group 3-A)
BOGOMOLOV, A. A., **BOGOMOLOV, A. A.**, and **BOGOMOLOV, A. A.**, Institute of Synthetic Rubber, Leningrad - "Investigation of the mechanism of radiolysis of polymers containing quaternary atoms of carbon" (Group 4-5)
BOGOMOLOV, A. A., **BOGOMOLOV, A. A.**, and **BOGOMOLOV, A. A.**, Institute of High Molecular Chemistry, Academy of Sciences USSR, Leningrad - "Stereo-regularity and optical anisotropy of macromolecules" (Group not specified)
BOGOMOLOV, A. A., **BOGOMOLOV, A. A.**, and **BOGOMOLOV, A. A.**, Academy of Sciences USSR, Leningrad - "The investigation of the cotton cellulose polydispersity according to the molecular weight" (Group not specified)
BOGOMOLOV, A. A., **BOGOMOLOV, A. A.**, and **BOGOMOLOV, A. A.**, Institute of Chemical Physics, Academy of Sciences USSR, Moscow - "On the kinetics of formaldehyde polymerization and polyformaldehyde degradation" (Group 3-B)

SUSAKREICH T. I.

SUSHKEVICH, T.I.; USMANOV, Kh.U.

Inhomogeneity of cotton cellulose.
Mr '61.

Vysokom.seed. 3 no.3:359-362
(MIRA 14:6)

1. Institut khimii polimerov, AN UzSSR.

(Cellulose)

(Cotton)

(Molecular weights)

USMANOV, Kh.U.; ZARIPOVA, A.M.; SUSHKEVICH, T.I.

Change in the physicochemical properties of cellulose during
insolation. Khim. i fiz.-khim. prirod. i sint. polim. no.1:
35-38 '62 (MIRA 18:1)

1. Chlen-korrespondent AN UzSSR (for Usmanov).

SUSHEVICH, T.M. [Sushkevych, T.M.]

Symmetry of the energy structure of the groups C_{2v}^{18} , C_{2v}^{19} , D_2^7 ,
 D_{2h}^{23} , D_{2h}^{24} . Ukr. fiz. zhur. 10 no.8:861-866 Ag '65. (MIRA 18:8)

1. Chernovitskiy gosudarstvennyy universitet.

SUSHKEVICH, T.N.

Energy structure of SnS type crystals. Izv. vys. ucheb.
zav.; fiz. no. 3:128-133 '64. (MIRA 17:9)

1. Chernovitskiy gosudarstvennyy universitet.

TOVSTYUK, K.D.; SUSHKEVICH, T.H. [Sushkevych, T.M.]

Zone symmetry in crystals of groups C_{2V}^{11} — C_{2V}^{17} , D_2^5 , D_2^6 , D_{2h}^{17} — D_{2h}^{22} .

Ukr. fiz. zhur. 9 no.9:932-942 S '64.

(MIRA 17:11)

1. Chernovitskiy gosudarstvennyy universitet.

SUSHKEVICH, V., inzh.

Contents of the published information on the stability of an
average fishing trawler. Mor. flot 22 no.2:22-23 F '62.

(MIRA 15:4)

(Stability of ships) (Trawls and trawling)

SUSHKEVICH, V. I. (editor)

"Vacuum-Tube Amplifiers" (Lampovyye usiliteli), Part I, Izdatel'stvo
"Sovetskoye Radio," 359 pp. 1951.

Book W-22459, 22 Apr 52

YEFIMOV, I.Ye.; GRODNEV, I.I., doktor tekhn. nauk, prof., retsenzent;
SUSHKEVICH, V.I., kand. tekhn. nauk, retsenzent; SRETENSKIY,
V.N., retsenzent; GOLOVANOV, L.V., red.

[Radiofrequency transmission lines] Radiochastotnye linii peredachi. Moskva, Sovetskoe radio, 1964. 599 p. (MIRA 17:5)

FEDOSEYEVA, Yelena Osipovna; EKSIMONT, L.O., red.; TUMANOVSKIY, R.F., tekhn.
red.; SUSHKEVICH, V.I., tekhn. red.

[Amplifying devices] Usilitel'nye ustroistva. Moskva, Gos.izd-vo
"Iskusstvo," 1961. 310 p. (MIRA 14:6)
(Amplifiers (Electronics))

RAKHMANINOV, V.S. [translator]; TUREVSKIY, V.M. [translator]; SUSHKEVICH,
V.I., kand.tekhn.nauk, red.; DANILOV, N.A., red.; KLIMENKO, S.V.,
tekhn.red.

[Band systems of super-high frequencies; collected studies]
Poloskovye sistemy sverkhvysokikh chastot; sbornik statei.
Moskva, Izd-vo inostr.lit-ry, 1959. 356 p. (MIRA 12:8)
(Electric circuits)

SUSHKEVICH, V. I.

V. I. SUSHKEVICH, "Use of strip lines in microwave frequency technique." Scientific Session Devoted to "Radio Day", May 1958, Trudrezervizdat, Moscow, 9 Sep. 58

Strip lines of symmetric and asymmetric kinds as well as high-frequency elements and components using strip lines are planar systems whose properties are determined by the shape of the strip conductor. The preparation of such a system reduces to the preparation of a strip conductor of given outline. This circumstance permits the printed circuit method to be used to prepare strip components, which incidentally leads to simplification of construction, a reduction in scale and weight and to the automation of the production of radio engineering apparatus. Moreover, two-dimensional microwave systems disclose new possibilities of constructing apparatus with complex characteristics, which would be a very difficult technological but timely and practically unfulfillable problem in the usual coaxial and waveguide variations.

Despite the simplicity of realizing strip systems, the design of their primary parameters is more complex, as a rule, than for coaxial and waveguide systems. The methods of measuring the parameters of the inhomogeneities in strip systems also differ by certain peculiarities.

Analyzed in the note are peculiarities and realizing certain components and microwave frequency systems by using strip lines.

SUSHKEVICH, V.I., kandidat tekhnicheskikh nauk, redaktor; MAGILEVSKIY, Yu.A.
redaktor; IOVLEVA, N.A., tekhnicheskij redaktor

[Symposium on microwave strip circuits. Translated from the English]
Pechatnye skhemy santimetrovogo diapazona; sbornik statei. Perevod.
Pod red. V.I.Sushkevicha. Moskva, Izd-vo inostrannoi lit-ry, 1956.
400 p. (MLRA 9:11)

(Printed circuits)